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Scientist earns AF Basic Research honorable mention

By Timothy R. Anderl, Materials and Manufacturing Directorate

WRIGHT-PATTERSON AIR FORCE BASE, Ohio — A research scientist at the Air Force Research Laboratory's Materials and Manufacturing Directorate has received an Air Force Basic Research Award honorable mention in October.

Dr. Kumar V. Jata was honored for development of a fundamental understanding of the effects of severe plastic deformation on microstructure evolution, and implications to static and cyclic mechanical behavior in high strength Aluminum and Titanium alloys for aircraft and cryotanks for space-access.

Jata of the directorate's Metals, Ceramics and Nondestructive Evaluation (NDE) Division was recognized for his research on friction stir joining and processing in which severe plastic deformation is dominant. Basic research conceived and performed by Jata has had a significant impact on the Air Force's aircraft and space materials programs.

Jata holds a doctorate degree in materials science from the University of Minnesota. He was selected as a fellow of the ASM International in 1998. He is also an adjunct professor at the Wright State University and a mentor for younger engineers and scientists. @